

WHAT IS CLAIMED IS:

1. A polymer composition comprising:

at least 20 weight % of at least one polycondensation polymer having a heat deflection temperature of above 80 °C under a load of 1.82 MPa when measured according to ASTM D648;

from 0 to 5 weight % of at least one polymer having a heat deflection temperature of at most 80 °C under a load of 1.82 MPa when measured according to ASTM D648;

a white pigment; and

a black pigment.

2. The polymer composition according to claim 1, wherein the polycondensation

polymer is selected from the group consisting of polyarylethersulfones, at least partially aromatic polyamides, polyamideimides, liquid crystalline polymers, polyimides, polyetherimides, polyaryletherketones, and polyphenylene sulfides.

3. The polymer composition according to claim 2, wherein the

polyarylethersulfones are selected from the group consisting of polysulfone, polyethersulfone, polyetherethersulfone, polyphenylsulfone, and copolymers and blends thereof.

4. The polymer composition according to claim 2, wherein the at least partially

aromatic polyamide is a polyphthalamide formed from terephthalic acid and an aliphatic diamine, and optionally, in addition, isophthalic acid and/or an aliphatic dicarboxylic acid.

5. The polymer composition according to claim 2, wherein the at least partially aromatic polyphthalamide is formed from an aliphatic dicarboxylic acid and an aromatic diamine.

6. The polymer composition according to claim 2, wherein the polyaryletherketone is polyetheretherketone.

7. The polymer composition according to any of claims 1 to 6, wherein the white pigment is selected from the group consisting of zinc oxide, zinc sulfide, titanium dioxide, barium sulfate, and potassium titanate.

8. The polymer composition according to any of claims 1 to 7, wherein the polycondensation polymer is present in a concentration of at least about 40 weight %.

9. The polymer composition according to any of claims 1 to 8, wherein the polycondensation polymer is present in a concentration of up to about 90 weight %.

10. The polymer composition according to any of claims 1 to 9, wherein the white pigment is present in a concentration of at least about 4 weight %.

11. The polymer composition according to any of claims to 1 to 10, wherein the white pigment is present in a concentration of up to about 30 weight % based on the total weight of the composition.

12. The polymer composition according to any of claims 1 to 11, wherein the white pigment is titanium dioxide.

13. The polymer composition according to any of claims 1 to 12, wherein the black pigment is present in a concentration of at least about 0.0001 weight %.

14. The polymer composition according to any of claims 1 to 13, wherein the black pigment is present in a concentration of up to about 0.02 weight %.

15. The polymer composition according to any of claims 1 to 14, wherein the black pigment is a carbon black.

16. A shaped article formed from the composition according to any of claims 1 to 15.

17. The shaped article according to claim 16, wherein the shaped article is selected from the group consisting of a reflector for an LED, a reflector cup for a surface mount LED, and a scrambler for a seven-segment LED.

18. A method of forming a shaped article comprising providing a polymer composition according to any of claims 1 to 15; and molding the composition to form the shaped article.

19. The method according to claim 18, wherein the step of molding comprises an operation selected from the group consisting of melt fabricating, injection molding, extruding, and blow molding.

20. The use of a black pigment to improve the heat stability of a white-pigmented polycondensation polymer composition comprising at least 20 weight % of at least one

polycondensation polymer having a heat deflection temperature of above 80 °C under a load of 1.82 MPa when measured according to ASTM D648, and from 0 to 5 weight % of at least one polymer having a heat deflection temperature of at most 80 °C under a load of 1.82 MPa when measured according to ASTM D648.

21. A polymer composition comprising at least 20 weight % of at least one polycondensation polymer having a heat deflection temperature of above 80 °C under a load of 1.82 MPa when measured according to ASTM D648, from 0 to 5 weight % of at least one polymer having a heat deflection temperature of at most 80 °C under a load of 1.82 MPa when measured according to ASTM D648, and a white pigment, which after 3 hours of heat aging at 170 °C has a reflectivity of greater than 65 % at a wavelength of 420 nm.